

# EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	19	((MITSURU) near2 (ARAI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 11:32
S2	52	((NAOKI) near2 (ISHIZAKI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 15:30
S7	166	417/219.cds.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 16:35
S8	0	417/273.cds.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 15:57
S9	791	417/273.cds.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 15:57
S11	18	("2506974"   "2539571"   "2838003"   "3511135"   "3756749"   "3782245"   "3784328").PN. OR ("4652215").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 18:23
S12	167	Kometani.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 13:24
S13	4	S12 and imai.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 13:24
S14	17	("2862455"   "3106138"   "3153987"   "3168013"   "3366017"   "3741077"   "3858487").PN. OR ("3960057").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 13:29
S15	16	("1567912"   "3433124"   "3435774"   "3636821"   "3858487"   "3866519"   "3884124"   "3960057").PN. OR ("4144798").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 13:32
S16	10	("2295199"   "2860614"   "3046950"   "4144798"   "4719843"   "5081906").PN. OR ("6276261").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 13:45
S17	8	("3982843"   "4747339"   "5081906"   "5090295"   "5391059"   "5794582"   "5979295"   "6276261").PN. OR ("6834575").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 13:45
S18	7	("1050422"   "3501180").PN. OR ("3982843").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 13:53
S19	18	("2506974"   "2539571"   "2838003"   "3511135"   "3756749"   "3782245"   "3784328").PN. OR ("4652215").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 16:52
S20	0	"10699809".app.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 18:25
S21	19	("2506974"   "2539571"   "2838003"   "3511135"   "3756749"   "3782245"   "3784328").PN. OR ("4652215").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 12:14
S22	4	("3782245").URPN.	USPAT	SAME	ON	2007/04/12 12:16
S23	351	417/218.cds.	USPAT	SAME	ON	2007/04/12 12:53
S24	98	417/219.cds.	USPAT	SAME	ON	2007/04/12 12:25
S25	125	417/220.cds.	USPAT	SAME	ON	2007/04/12 12:45
S26	133	417/221.cds.	USPAT	SAME	ON	2007/04/12 13:01
S27	59	(S23 or S24 or S25 or S26) and (valve with piston with (coaxial or within or inside))	USPAT	SAME	ON	2007/04/12 12:30
S28	4	("5090881"   "5518380"   "5562432"   "6375441").PN. OR ("7128542").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 12:22
S29	10	("4508489"   "5123393"   "5180290"   "5524822"   "5769056"   "6041759"   "6363917"   "6401695"   "6435168"   "6497225").PN. OR ("6732716").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 12:24
S31	1	10/699809.app.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 12:24
S34	323	91/491.cds.	USPAT	SAME	ON	2007/04/12 12:58
S35	524	417/222.1.cds.	USPAT	SAME	ON	2007/04/12 13:09
S36	7	("4601641"   "4711616").PN. OR ("5752427").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 12:27
S37	3	("2509256").URPN.	USPAT	SAME	ON	2007/04/12 12:30
S38	27	(S23 or S24 or S25 or S26 or S35 or S24) and ((servo with piston) (valve with (coaxial or within or inside)))	USPAT	SAME	ON	2007/04/12 12:32
S39	131	(S23 or S24 or S25 or S26 or S35 or S24) and (servo with piston)	USPAT	SAME	ON	2007/04/12 12:34
S40	13	("4275997"   "4285639"   "5123815"   "5183393"   "5486097"   "5562424"   "5567123"   "6033188"   "Re31711").PN. OR ("6095760").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 12:33

## EAST Search History

S41	88	(S23 or S24 or S25 or S26 or S35 or S24) and (radial with piston with pump)	USPAT	SAME	ON	2007/04/12 12:35
S42	168	(S23 or S24 or S25 or S26 or S35 or S24) and (piston with cam)	USPAT	SAME	ON	2007/04/12 12:35
S43	21	("2894458"   "2975717"   "3549281"   "3820920"   "4158529"   "4275758").PN. OR ("4348159").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 12:36
S44	11	("2975717").URPN.	USPAT	SAME	ON	2007/04/12 12:37
S45	0	("2427224").URPN.	USPAT	SAME	ON	2007/04/12 12:44
S46	2	("2026776").URPN.	USPAT	SAME	ON	2007/04/12 12:48
S47	25	("2026776"   "2600632"   "2612114"   "2740256"   "2975717"   "3010545"   "3015212"   "3373692"   "3451344"   "3687579"   "3728048"   "4035105"   "4259039"   "4325215").PN. OR ("4780069").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 12:48
S48	21	("2600632"   "2823614"   "2975717"   "3079864"   "3107628"   "3756749").PN. OR ("4259039").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 12:53
S49	96	418/23.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:17
S50	54	418/24.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:17
S51	2	("4185540").URPN.	USPAT	SAME	ON	2007/04/12 13:03
S52	13	("3086477"   "4185540"   "4601641"   "4711616"   "5295797"   "5391059"   "5651301"   "5752427").PN. OR ("5980215").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:04
S53	7	("2502546"   "3431857"   "3489094").PN. OR ("4077745").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:06
S54	55	spool cam radial piston servo	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:07
S55	98	S35 and cam	USPAT	SAME	ON	2007/04/12 13:09
S56	3	("3527552").URPN.	USPAT	SAME	ON	2007/04/12 13:20
S57	0	("2969646").URPN.	USPAT	SAME	ON	2007/04/12 13:21
S58	14	("3067693"   "4375942"   "4496290").PN. OR ("4601641").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:26
S59	3	("5651301"   "5752427"   "6010311").PN. OR ("6109884").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:29
S60	655	417/462.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 13:34
S61	221	(servo with piston) same cam same rotary	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 13:34
S62	164	(servo with piston) same cam same radial	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 13:38
S63	67	(piston with (adjust or move or bias) with cam) and (control with valve with inside)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/12 13:39
S64	8	("2641279"   "2964057").PN. OR ("3696835").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:42
S65	204	92/12.1.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:45
S66	11	("1274955"   "2404175"   "3828400"   "3908517"   "4195553"   "4320692").PN. OR ("4548124").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:47
S67	12	("2404175"   "2709408"   "3828400"   "3908517"   "4195553").PN. OR ("4320692").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:54
S68	0	417/423.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:54
S69	133	417/523.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:55
S70	319	417/545.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:35
S71	7	("1625789"   "4909064"   "5051069"   "5809865"   "5975864"   "5983780").PN. OR ("6814548").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 13:59

## EAST Search History

S72	2	10/149588.app.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/04/12 14:00
S73	1	WO01/44659	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/04/12 14:00
S74	0	((Sagnet) near2 (Michel)).inv.	EPO; DERWENT; IBM_TDB	SAME	ON	2007/04/12 14:01
S75	0	((Sagnet) near2 (Michel))	EPO; DERWENT; IBM_TDB	SAME	ON	2007/04/12 14:01
S76	5	sagnet . .	EPO; DERWENT; IBM_TDB	SAME	ON	2007/04/12 14:01
S77	1	2001-398210.NRAN.	DERWENT	SAME	ON	2007/04/12 14:02
S78	1	2001-398210.NRAN.	DERWENT	SAME	ON	2007/04/12 14:03
S79	7	US-5051069-\$.DID. OR US-5809865-\$.DID. OR US-5983780-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	ON	2007/04/12 14:08
S80	9	("5100305"   "5123819"   "5213482"   "5295797"   "5482442"   "5626465"   "5769611").PN. OR ("5975864").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:11
S81	26	("1852033"   "2914085"   "3238887"   "3310000"   "3434428"   "3937250"   "4099894").PN. OR ("5123819").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:14
S82	4	("2675757"   "3062591").PN. OR ("3768927").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:20
S83	3	("2680347").URPN.	USPAT	SAME	ON	2007/04/12 14:22
S84	8	("3596822"   "3877617"   "5123819"   "5280746"   "5580226"   "6109896").PN. OR ("6361295").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:26
S85	11	("5395219"   "6302663"   "6334762"   "6340295"   "6361295"   "6394770"   "6457956"   "6471496"   "6474963"   "6520756").PN. OR ("6589032").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:26
S86	12	("4534711"   "5039283").PN. OR ("5395219").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:30
S87	39	("0461295"   "2472647"   "2515110"   "2690128"   "2701331"   "3134938"   "3653789"   "3884125"   "4131398"   "4400144"   "4449488"   "5076769"   "5221196"   "5318001"   "5357944"   "5403168"   "5487651"   "5582153"   "5600961"   "5688110"   "5727388"   "5769056"   "5887571"   "5980214"   "6086348"   "6135090"   "6135735"   "6146115"   "6152708"   "6171083"   "6186118"   "6186746"   "6234774").PN. OR ("6773240").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:39
S88	1586	417/269.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:39
S89	548	417/270.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:39
S90	799	417/273.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:39
S91	408	S88 and (cam)	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:39
S92	10	(lubricate with (channel or bore) with ball) and swash	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:49
S93	14	(lubricate with (channel or bore) with shoe) and swash	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 14:52
S94	41	(shoe with slide with ball) and swash	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 15:02
S95	1862	(valve with slide with piston) and (cam with (move or adjust))	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 15:06
S96	200	S95 and (radial with piston)	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 15:09

## EAST Search History

S97	43	((slide with valve) (servo with piston)) and (cam and (variable with displacement))	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 15:10
S98	316	((slide with valve) (servo with piston)) and (cam)	US-PGPUB; USPAT; USOCR	SAME	ON	2007/04/12 15:13
S99	1	("4077745").URPN.	USPAT	SAME	ON	2007/04/12 15:31